

CLAIMS

1. A procedure for the production of sheets or tiles
(10) in agglomerate material consisting of products
comprising marble and/or granite and/or sand and/or
5 quartz powders and binding resins, also comprising
possible inclusions of elements made from metal,
glass, ceramic, wood, precious stones, comprising
the following processing stages:
 - 10 a) crushing of the components of the sheets or
tiles (10);
 - b) mixing of these components with the aforesaid
binding resins;
 - c) pouring these components inside a pressing die;
 - 15 d) pressing and compacting these components, and
hardening at a predetermined pressure and
temperature, in order to obtain a predetermined
shape, advantageously quadrangular, and
predetermined dimensions of these sheets or
tiles (10);
- 20 said procedure being characterised in that before
or during said stage c) a metal plate (11) is
positioned inside the pressing die, said metal
plate having a structure comprising a series of
cavities suitable for receiving the mixture of the
25 components which, during the polymerisation and
hardening stages, bond to said plate (11) thus
forming a single object with said sheet or tile
(10).
- 30 2. A procedure according to claim 1, wherein the metal
plate (11) is obtained by die-pressing or rolling.

3. A procedure according to claim 1, further comprising the following additional stages:
 - d) smoothing and polishing of at least one of the upper and/or lower surfaces of these sheets or tiles (10);
 - e) cutting to size, chamfering, gauging and flaring of these sheets or tiles (10).
4. A sheet or tile (10) made from an agglomerated material consisting of a mixture of products comprising marble and/or granite and/or sand and/or quartz powders and binding resins, also comprising possible inclusions of elements made from metal, glass, ceramic, wood, precious stones, characterised in that an inner or base portion of said sheet or tile is constituted by a metal plate (11) having a structure comprising a series of cavities and protuberances receiving the said mixture of products and such as to allow, during the polymerisation and hardening of the mixture, the bonding of the plate which thus forms a single object with the sheet or tile.
5. A sheet or tile (10) according to claim 4, in which the metal plate is made from aluminium.
6. A sheet or tile (10) according to claim 4, in which the metal plate comprises a plurality of cavities (12) and/or of protuberances designed to facilitate the adherence of the mixture to the plate.
7. A sheet or tile (10) according to claim 4, in which the metal plate forms the base of the sheet or tile.

8. A sheet or tile (10) according to claim 4, in which the metal plate is embedded in the sheet or tile.